

PTO-1449 (Modified)		ATTY. DOCKET NO. 004842.00003	SERIAL NUMBER TBD
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT J. Douglas Birdwell	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE Herewith	GROUP ART UNIT TBD

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
MN	6,490,582	12/3/02	Fayyad et al.			
MN	6,134,541	10/17/00	Castelli et al.			
MN	6,122,628	9/19/00	Castelli et al.			
MN	6,100,901	8/8/00	Mohda et al.			
MN	6,026,397	2/15/00	Sheppard			
MN	5,926,812	7/20/99	Hilsenrath et al.			
MN	5,884,320	3/16/99	Agrawal et al.			
MN	5,761,685	6/2/98	Hutson			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MN	Juha Karhunen et al., "Locally Linear Independent component analysis", International Joint Conference on Neural Networks, 1999, Vol. 2, Pages 882-887
MN	Cormen, Thomas H., Charles E. Leiserson, and Ronald L. Rivest, Introduction to Algorithms, MIT Press (Cambridge, MA) / McGraw-Hill (New York). 1990
MN	Guttman, A., R trees: a dynamic index structure for spatial searching, ACM, 1984, 47-57
MN	Sellis, T., et. al., The R*-tree: a dynamic index for multi-dimensional objects, Tech. Rept. UMI-ACS TR 87 3, CS TR 1975, University of Maryland, Feb. 1987, 1-24
MN	Message Passing Interface Forum, MPI: A Message-Passing Interface Standard, version 1.1, June, 1995. Also at http://www-unix.mcs.anl.gov/mpi/ and http://www.mpi-forum.org/docs/mpi-1.1-html/mpi-report.html
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MN	Geist, A., A. Beguelin, J. Dongarra, W. Jiang, R. Manchek, V. Sunderam, PVM: Parallel Virtual Machine: A Users' Guide and Tutorial for Networked Parallel Computing, MIT Press, 1994
MN	Beowulf Project at CESDISIR, http://cesdisir.gsfc.nasa.gov/linux/beowulf/ , Center of Excellence in Space Data and Information Sciences, NASA Goddard Space Flight Center. 1998
MN	Strang, G., Linear Algebra and its Applications, 2nd ed., Academic Press, New York, 1980

EXAMINER	/Merilyn Nguyen/	DATE CONSIDERED	09/16/2006
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EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004872.00003	SERIAL NUMBER TBD
	APPLICANT J. Douglas Birdwell et al.	
	FILING DATE Herewith	GROUP ART UNIT TBD

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
MN	5,559,940	9/24/96	Hutson			
MN	5,442,562	8/15/95	Hopkins et al.			
MN	5,325,466	6/28/94	Komacker			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

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MN	Budowle, Bruce and Tamya R. Moretti, "Genotype profiles for six population groups at the 13 CODIS short tandem repeat core loci and other PCR based loci," Forensic Science Communications, FBI Laboratory Division Publication 99-06, U. S. Department of Justice, Federal Bureau of Investigation, July 1999, V. 1, n. 2
MN	CODIS S.1 GDIS Searching Specification (Draft), U.S. Department of Justice Federal Bureau of Investigation, July 23, 1998
MN	Quinlan, J.R., Induction of decision trees, Machine Learning 1:81-106, 1986
MN	Berry, Michael W., Zlatko Drmac, and Elizabeth R. Jessup, "Matrices, vector spaces, and information retrieval," SIAM Review 41:335-362, 1999
MN	Message Passing Interface Forum, MPI-2: Extensions to the Message-Passing Interface, July 18, 1997. Also at http://www.mpi-forum.org/docs/mpi-20-html/mpi2-report.html
MN	(1) Atsuo Yoshitaka, et al., "A Survey on Content-Based Retrieval for Multimedia Databases", IEEE Transactions On Knowledge And Data Engineering, Vol. 11, No. 1, January/February 1999, Pages 81-93
MN	(2) Peter N. Yianilos, "Excluded Middle Vantage Point Forests for Nearest Neighbor Search", July 20, 1998 (revised September 11, 1998), Pages 1-12
MN	(3) Peter N. Yianilos, "Data Structures and Algorithms for Nearest Neighbor Search in General Metric Spaces", 1993, 11 pages
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MN	(5) Davood Rafiei et al., "Similarity-Based Queries for Time Series Data", Proceedings of the 1997 ACM SIGMOD International Conference on Management of Data, May 1997, Pages 1-13
MN	(6) King-Ip Lin et al., "The TV-tree - an index structure for high-dimensional data", 1994, pages 1-30
MN	(7) Paolo Ciaccia, et al., "M-tree: An Efficient Access Method for Similarity Search in Metric Spaces", Proceedings of the 23 rd VLDB Conference, Athens, Greece, 1997, 10 Pages
MN	(8) W. A. Burkhard et al., "Some Approaches to Best-Match File Searching", Communications of the ACM, Vol. 16, No. 4, April 1973, Pages 230-236

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MN	(9) Sergey Brin, "Near Neighbor Search in Large Metric Spaces", Proceedings of the 21 st VLDB Conference, Zurich, Switzerland, 1995, 11 Pages
MN	(10) Tolga Bozkaya et al., "Distance-Based Indexing For High-Dimensional Metric Spaces", 1997, 12 pages
MN	(11) Andrew Berman et al., "Selecting Good Keys for Triangle-Inequality-Based Pruning Algorithms", IEEE, 1997, Pages 12-19
MN	(12) Norbert Beckmann et al., "The R'-tree: An Efficient and Robust Access Method for Points and Rectangles", ACM, 1990, Pages 322-331
MN	(13) Ricardo Baeza-Yates et al., 'Proximity Matching Using Fixed-Queries Trees', 1994, 13 Pages
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1 of 1

Complete if Known

Application Number	10/767,730
Filing Date	January 30, 2004
First Named Inventor	John D. BIRDWELL et al.
Art Unit	2177
Examiner Name	John E. Breene
Attorney Docket Number	004842.00003

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MN		US- 5,181,204	11/1992	Hutcheson et al.	
MN		US- 5,273,632	12/1993	Stockham et al.	
MN		US- 5,374,527	12/1994	Grossman	
MN		US- 5,759,369	8/1998	Menchen et al.	
MN		US- 5,470,710	11/1995	Weiss et al.	
MN		US- 5,541,087	7/1998	Perlin	
MN		US- 5,580,728	12/1996	Perlin	
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MN		US- 2002/0152035	10/2002	Perlin	
MN		US- 6,750,011	8/2004	Perlin	
MN		US- 6,807,490	10/2004	Perlin	

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		Country Code ⁴ - Number ⁴ - Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MN		Schwartz et al., "Fluorescent Multiplex linkage analysis and carrier detection for Duchenne/Becker Muscular Dystrophy", Am. J. Human Genetics 51:721-729, 1992	
MN		McConkey, E.H., Human Genetics, The Molecular Revolution Jones and Bartlett Publishers, 1993, pp. 92-112.	
MN		Clayton et al., "Analysis and Interpretation of Mixed Forensic Stains Using DNA STR Profiling", Forensic Science International, Volume 91 pp. 55-70 (1998)	
MN		Gill et al., "Interpreting Simple STR Mixtures using Allele Peak Areas", 1998, Forensic Science International, Volume 91 pp. 41-53	
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MN		Perlin et al., "Toward Fully Automated Genotyping: Genotyping Microsatellite Markers by Deconvolution", 1995, American Journal of Human Genet., Volume 57, pp. 1199-1210.	

Examiner Signature

/Merilyn Nguyen/

Date Considered

09/16/2006

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